

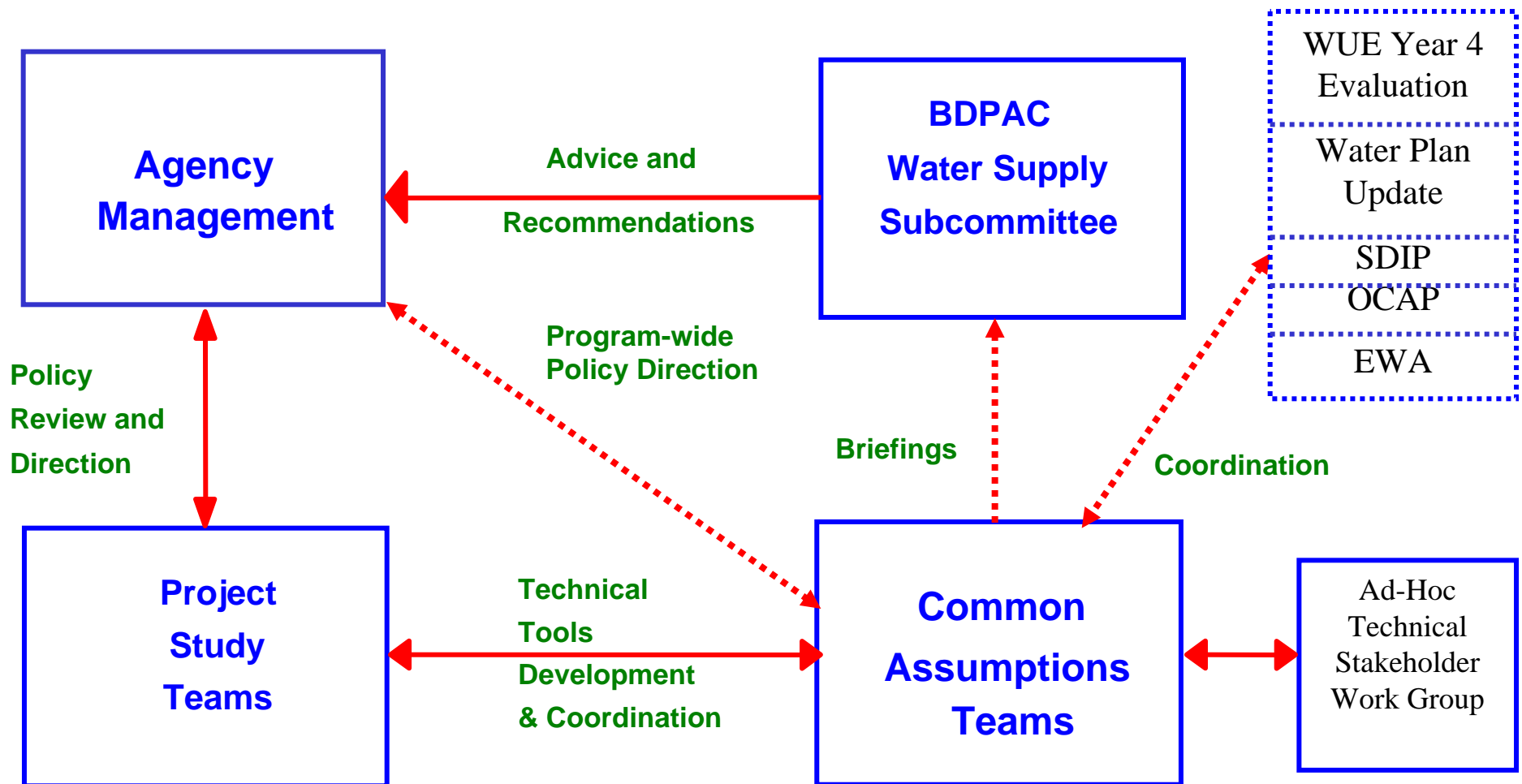
Common Assumptions Surface Storage Project Analysis -Update-

Presented to:

BDPAC Water Supply Subcommittee

October 13, 2004

Overview of Interactions

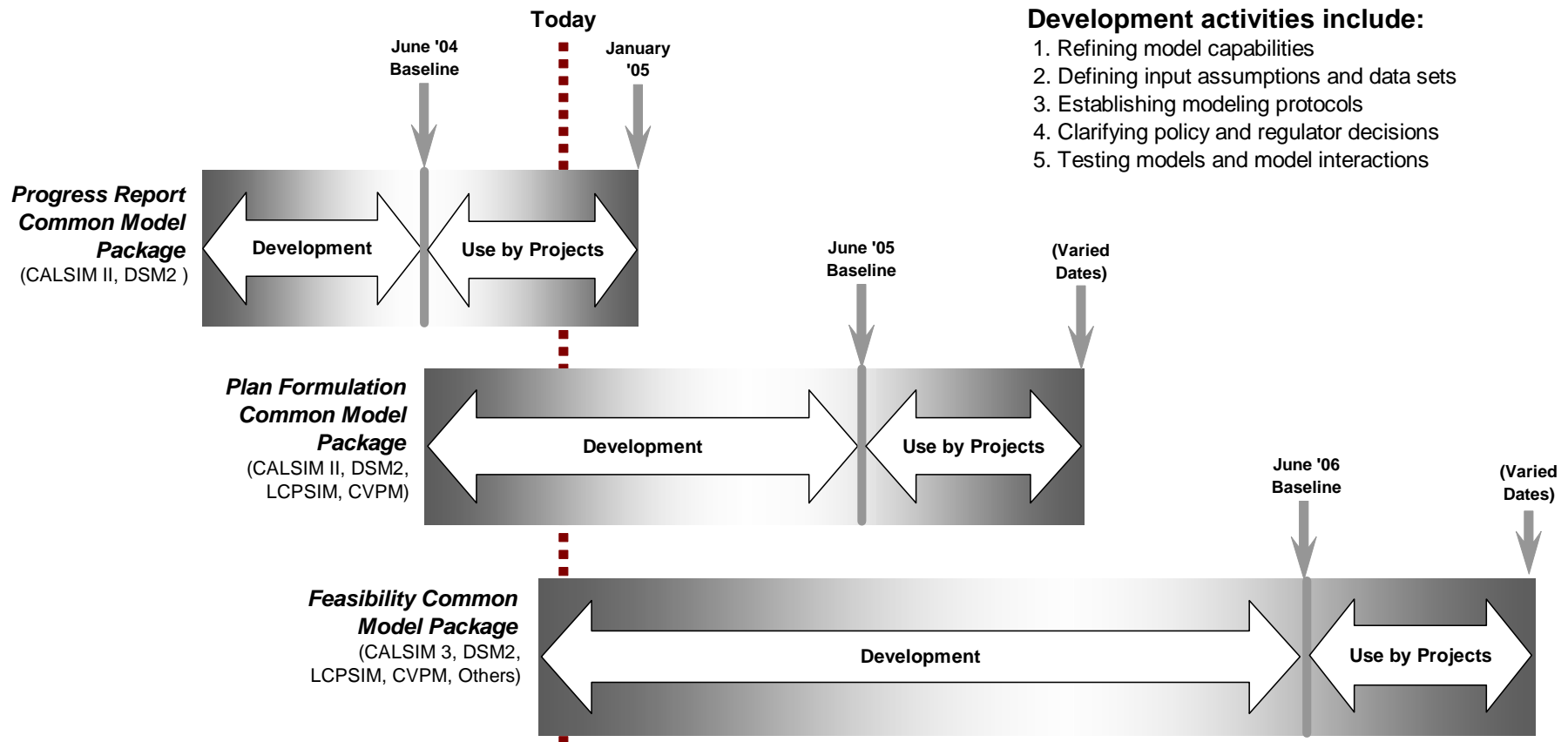


Common Assumption Teams

- Core Team -- Representatives from Reclamation, DWR, and Authority
- Technical Team -- Refinement and development of common system operations models
- Economics and Costs Team -- Refinement and development of common economics models
- Characterization Team -- Characterization of transfers, conservation, conjunctive use and local supply projects
- Project Management Teams -- Application of common assumptions to individual storage project analyses

Common Model Packages

Common Model Package Development Timeline



Technical Team Accomplishments

- Completed *Progress Report Common Model Package* (includes CALSIM II and DSM2 Interim Baselines and common reporting metrics)
- Initiated consistency checks for model applications for individual storage projects
- Developed work plan for *Plan Formulation Common Model Package*

Economics Team Accomplishments

- Initiated LCPSIM peer review
- Completed economics and cost reporting metrics
- Compiled cost estimation guidelines from Reclamation, DWR and COE

Characterization Team Accomplishments

- Developed Water Transfers Tool and draft water transfer quantification methodology
- Characterization of conservation, recycling, conjunctive use and local supply projects ongoing

Project Teams Accomplishments

(using *Progress Report Common Model Package*)

- Shasta – Completed CALSIM II runs for three scenarios. DSM2 runs in progress.
- NODOS – Completed CALSIM II and DSM2 runs for four scenarios.
- In-Delta Storage – CALSIM II and DSM2 runs in progress.
- Los Vaqueros – CALSIM II and DSM2 runs for three scenarios in progress.
- Upper San Joaquin River – *[Note: using runs from previous CALSIM II modeling.]*

Common Model Refinement Strategy

- Refine models in series of logical steps consistent with surface storage planning process
- Maintain project management team buy-in to common models
- Obtain stakeholder review and input

Challenges to Schedule

- In-Delta Storage Investigation modeling
 - Technical issues of incorporating monthly CALSIM II model assumptions into daily model
 - Will delay availability of results for Progress Report
- Ability to incorporate refinements to models for *Plan Formulation Common Model Package*
 - Resource limitations
 - CALAG technical development

Upcoming Ad-Hoc Work Group

- Will be scheduled for mid-November
- Topics include:
 - *Progress Report Common Model Package*
technical issues and resolutions
 - *Plan Formulation Common Model Package*
work plan and schedule
 - ??

Next Steps

- Progress Report to Water Supply Subcommittee available January, 2005
 - Includes project performance using common assumptions incorporated into *Progress Report Common Model Package*
- *Plan Formulation Common Model Package* completed in Spring, 2005
 - CALSIM II and DSM2 refinements
 - Economics models (includes peer reviewed and refined LCPSIM)
 - Transfers and demand management included
 - Three baselines: *Existing Conditions*, *Future No-Action* and *Supplemental Future No-Action*
- *Feasibility Common Model Package* – 2006